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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/813,565	03/30/2004	Yuji Hori	800 134	4125
25191	7590 12/14/2004		EXAMINER	
BURR & BROWN			NGUYEN, CUONG QUANG	
PO BOX 7068 SYRACUSE, NY 13261-7068			ART UNIT	PAPER NUMBER
511010002,			2811	

DATE MAILED: 12/14/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

			AK			
	Application No.	Applicant(s)				
	10/813,565	HORI ET AL.				
Office Action Summary	Examiner	Art Unit				
	Cuong Q Nguyen	2811				
The MAILING DATE of this communication appeariod for Reply	pears on the cover sheet w	ith the correspondence ac	ldress			
A SHORTENED STATUTORY PERIOD FOR REPL THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1. after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a rep - If NO period for reply is specified above, the maximum statutory period - Failure to reply within the set or extended period for reply will, by statut. Any reply received by the Office later than three months after the mailir earned patent term adjustment. See 37 CFR 1.704(b).	136(a). In no event, however, may a ly within the statutory minimum of thi will apply and will expire SIX (6) MOI e, cause the application to become A	reply be timely filed rty (30) days will be considered time NTHS from the mailing date of this of BANDONED (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on	<u>_</u> .					
2a) This action is FINAL . 2b) This	s action is non-final.					
	3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
closed in accordance with the practice under	Ex parte Quayle, 1935 C.	D. 11, 453 O.G. 213.				
Disposition of Claims						
4) Claim(s) <u>1-17</u> is/are pending in the application						
4a) Of the above claim(s) is/are withdra	awn from consideration.					
5) Claim(s) is/are allowed.						
6) Claim(s) is/are rejected.)					
7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) <u>1-17</u> are subject to restriction and/or						
Application Papers	·					
9) The specification is objected to by the Examination The drawing(s) filed on is/are: a) acceptable as a constant.		by the Evaminer				
Applicant may not request that any objection to the						
Replacement drawing sheet(s) including the correct			FR 1,121(d).			
11)☐ The oath or declaration is objected to by the E						
Driarity under 25 H S C & 449						
Priority under 35 U.S.C. § 119		0.440() ()) (0				
12) ☐ Acknowledgment is made of a claim for foreign a) ☐ All b) ☐ Some * c) ☐ None of: 1. ☐ Certified copies of the priority documen	its have been received.					
2. Certified copies of the priority documen		-	Ctoro			
 Copies of the certified copies of the price application from the International Burea 		i received in this Mational	Stage			
* See the attached detailed Office action for a lis		t received				
See the attended detailed embe detion for a lie	to, the continue copied no					
Attachment(s)						
1) Notice of References Cited (PTO-892)		Summary (PTO-413)				
 Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08 		(s)/Mail Date Informal Patent Application (PT	O-152)			
Paper No(s)/Mail Date	6) Other:		•			

DETAILED ACTION

Election/Restrictions

Restriction to one of the following inventions is required under 35 U.S.C. 121:

- I. Claims 1-13, drawn to a semiconductor device, classified in class 257, subclass13.
- II. Claims 14-17, drawn to a method of making a semiconductor device, classified in class 438, subclass 100+.

The inventions are distinct, each from the other because of the following reasons:

Inventions I and II are related as process of making and product made. The inventions are distinct if either or both of the following can be shown: (1) that the process as claimed can be used to make other and materially different product or (2) that the product as claimed can be made by another and materially different process (MPEP § 806.05(f)). In the instant case unpatentability of the group I invention would not necessarily imply unpatentability of the group II invention, since the device of the group I invention could be made by processes materially different from those of group II invention, for example, the device claim 1 required that the group III nitride has a carrier density of greater than or equal 1×10^{-16} / Cm 3 which is not required in the device being formed by the method claim 14.

Because these inventions are distinct for the reasons given above and have acquired a separate status in the art as shown by their different classification, restriction for examination purposes as indicated is proper.

Art Unit: 2811

Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a petition under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Cuong Q Nguyen whose telephone number is (703) 308-1293. The examiner can normally be reached on Mon-Thur.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Eddie Lee can be reached on (571) 272-1732. The fax phone numbers for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (571) 272-1661.

Cuong Nguyen Primary examiner December 8, 2004